



# NATIONAL HIGHWAY AUTHORITY

Procurement & Contract Administration Section

28 Mauve Area, G-9/I, Islamabad ☎ 051-9032727, 📠 051-9260419

No. 2(517)GM(P&CA)/NHA/HQ/2023/- 714

25 October, 2023

✓ **Managing Director**

Public Procurement Regulatory Authority (PPRA)

Islamabad

**Subject: DUALIZATION OF KUCHLAC-ZHOB SECTION OF N-50 PACKAGE-III,**

**CONTRACT AWARD PERFORMA I & II**

**Reference:-** Rule-47 as per PPRA Rules 2004

Kindly find attached following documents pertaining to the award of subject project as per Rule-47 for uploading on PPRA websites at earliest, please.

- a) Contract Award Proforma -I & II.
- b) Combined Bid Evaluation Report.
- c) Letter of Acceptance.
- d) Contract Agreement.
- e) Priced Bill of Quantities (BOQ).

**(SAMI UR RAHMAN)**  
General Manager (P&CA)

**Encl:** As above

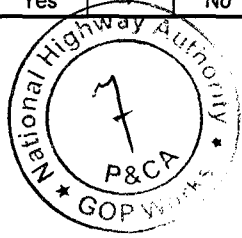
**Copy for kind information to:**

- Member (Planning), NHA, HQ
- Director (P&CA) Works-IV, NHA, HQ
- Dy. Director (P&CA) Works-III, NHA .....To upload same on NHA website.
- Office File.

**PUBLIC PROCUREMENT REGULATORY AUTHORITY (PPRA)**  
**CONTRACT AWARD PROFORMA - I**

To be filled and uploaded on PPRA Website in respect of all Public Contracts of Works, Services and Goods worth Rs 50 million or more

1	NAME OF THE ORGANIZATION/DEPT	National Highway Authority			
2	FEDERAL/PROVINCIAL GOVT/OTHERS	Federal Govt (Autonomous Body)			
3	TITLE OF CONTRACT	Dualization of Kuchlac – Zhob Section Of N-50 Package-III Km 130+000 to 180+000 (Qila Saifullah to Nasai)			
4	TENDER NUMBER/ BID NUMBER	2(517-03)			
5	BRIEF DESCRIPTION OF THE CONTRACT	The scope includes Dualization of Kuchlac – Zhob Section Of N-50 Package-III Km 130+000 to 180+000 (Qila Saifullah to Nasai) . The N-50 starts at Kuchlac to the North of Quetta and runs east via the urban areas of Muslim Bagh, Qila Saifullah, Zhob and Mughal Kot ending at an intersection with the Indus Highway near Dera Ismail Khan. It serves as the main road link between the provinces of Baluchistan and Khyber Pakhtunkhwa passing through Bostan, Khanozai, Qila Saifullah, Gwal Haidazai Post, Mina Bazar, Zhob, Mughal Kot, Daraban and Dera Ismail Khan. Kuchlac-Zhob section of N-50 shall be upgraded as four (04) lane dual carriageway along with Geometric improvement including the proposed 4 lane facility will largely contribute to the economic and social development of Baluchistan, Central Punjab and Khyber Pakhtunkhwa by bringing more population into the stream of benefits, which in turn will change the social complexion of people around this road.			
6	TENDER VALUE	Rs 8,055,195,405 /-			
7	ENGINEER's ESTIMATE (for civil works only)	Rs.10,566,362,023 /-			
8	ESTIMATED COMPLETION PERIOD (AS PER CONTRACT)	36 Months			
9	WHETHER THE PROCUREMENT WAS INCLUDED IN ANNUAL PROCUREMENT PLAN?	N/A			
ADVERTISEMENT					
10	(i) PPRA Website (Federal Agencies)	Yes	✓	No	x
	(ii) News Papers	Yes	✓	No	x
	(If yes, give names of newspapers and date)	Daily Dawn (English on 18th May 2020); and Daily Jang (Urdu on 12th May 2020).			
11	TENDER OPENED ON (Date and Time)	Technical bids opened on 4th September 2020 at 1200 Hrs Financial Bids opened on 8th October 2020 at 1100Hrs. Moreover, as per GRC decision the Financial bid of M/s SMC was opened on 25th April, 2022.			
12	NATURE OF PURCHASE	Procurement of works			
13	EXTENSION IN DUE DATE (if any)	Yes	✓	No	x
14	NUMBER OF TENDER DOCUMENTS SOLD	Eight (08) (Also available on NHA website for free download)			
15	WHETHER QUALIFICATION CRITERIA WAS INCLUDED IN BIDDING/TENDER DOCUMENTS	Yes	✓	No	x
		Qualification criteria included in Instruction to Bidders and BDS of bidding document			
WHICH METHOD OF PROCUREMENT WAS USED (Tick one)					
17	a) SINGLE STAGE - ONE ENVELOPE PROCEDURE		x		
	b) SINGLE STAGE - TWO ENVELOPE PROCEDURE		✓		
	c) TWO STAGE BIDDING PROCEDURE		x		
	d) TWO STAGE - TWO ENVELOPE BIDDING PROCEDURE		x		
Please specify if any other method of procurement was adopted with brief reasons (i.e. Emergency, Direct Contracting, Negotiated Tendering, etc.					
18	WHO IS THE APPROVING AUTHORITY	Committee empowered by NHA Executive Board			
19	WHETHER APPROVAL OF COMPETENT AUTHORITY WAS OBTAINED FOR USING A METHOD OTHER THEN OPEN COMPETITIVE BIDDING	N/A			
20	NUMBER OF BIDS RECEIVED	Thirteen (13)			
21	WHETHER THE SUCCESSFUL BIDDER WAS LOWEST BIDDER	Yes	✓	No	x
22	WHETHER INTEGRITY PACT WAS SIGNED	Yes	✓	No	x



**CONTRACT AWARD PROFORMA - II**

To be filled and uploaded on PPRA Website in respect of all Public Contracts  
of Works, Services and Goods worth Rs 50 million or more

1	No. OF BIDDERS PRESENT AT THE TIME OF OPENING OF BIDS	Thirteen (13) bidders were present at the opening of Technical bid.Ten (10) bidders were present at the opening of price bid dated 8th October,2020 and three (03) bidders were present at the opening of price bid dated 25th April, 2022.			
2	NAME & ADDRESS OF SUCCESSFUL BIDDER	M/s Sultan Mahmood & Co.			
3	RANKING OF SUCCESSFUL BIDDER IN EVALUATION REPORT	1st Lowest evaluated bidder			
4	NEED ANALYSIS (Why the procurement was necessary?)	In larger public interest			
5	IN CASE EXTENSION WAS MADE IN RESPONSE TIME, WHAT WERE REASONS (Briefly describe)	N/A			
6	WHETHER NAMES OF THE BIDDERS AND THEIR PRICES WERE READ OUT AT THE TIME OF OPENING OF BID	Yes	√	No	x
7	DATE OF CONTRACT SIGNING (Attach a copy of agreement)	25th July, 2023			
8	CONTRACT AWARD PRICE	Rs. 8,055,195,405 /-			
9	WHETHER COPY OF EVALUATION REPORT GIVEN TO ALL BIDDERS (Attach a copy of evaluation report)	Yes	x	No	√
		Uploaded on PPRA & NHA Websites.			
10	ANY COMPLAINTS RECEIVED (If Yes, result thereof)	Yes	x	No	√
11	ANY DEVIATION FROM SPECIFICATIONS GIVEN IN THE TENDERNOTICE / DOCUMENTS (if yes give details)	Yes	x	No	√
12	DEVIATION FROM QUALIFICATION CRITERIA (If yes give details)	Yes	x	No	√
13	SPECIAL CONDITIONS, IF ANY (Give Brief Description)	N/A			





# NATIONAL HIGHWAY AUTHORITY

Procurement & Contract Administration Section  
28-Mauve Area, G-9/1, Islamabad Tel: 9032727, Fax: 9260419

No. 2(517)/GM(P&CA)/NHA/2023/311

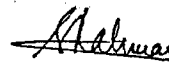
24 May 2023

**Managing Director**  
Public Procurement Regulatory Authority (PPRA)  
Islamabad

Subject: **DUALIZATION OF KUCHLAC - ZHOB SECTION OF N-50 PACKAGE I, II & III.**  
**ANNOUNCEMENT OF FINANCIAL EVALUATION REPORT**

Reference: PPRA Rule-35 as Amended vide S.R.O 834(I)2021 vide notification dated 28<sup>th</sup> June 2021.

Find enclosed herewith the duly filled and signed financial Evaluation Report pertaining to the procurement of subject Works in view of the above referred PPRA Rule for uploading on your websites at earliest, please.

  
(SAMI-UR-RAHMAN)  
General Manager (P&CA)

Enclosure: Financial Evaluation Report.

**Copy for Information:**

- Member (Planning) NHA HQ.
- Director (Tech) to Chairman NHA HQ.
- Director (Works-IV) P&CA, NHA HQ.
- Director (MIS), NHA, HQ..... To upload the same on NHA website as well.
- Office File



## FINAL EVALUATION REPORT UNDER PPRA RULE 35

1. Name of Procuring Agency: National Highway Authority
2. Method of Procurement: Single Stage - Two Envelope Procedure
3. Title of Procurement: Dualization of Kuchlak – Zhob Section of N-50  
(Package-III): Km 130+000 to Km 180+000 (Qilla Saifullah to Nasai)
4. Tender Inquiry No.: 2(517-3)
5. PPRA Ref. No. (TSE): TS424665E
6. Date & Closing Time: 4<sup>th</sup> September, 2020 till 1130 hours
7. Date & Opening Time: 4<sup>th</sup> September, 2020 till 1200 hours
8. No of Bids Received: Thirteen (13)
9. Criteria for Evaluation: Criteria of Bid Evaluation is attached at Annex-I
10. Details of Bid Evaluation:

Name of Bidder	Marks		Evaluated Cost (Rs)	Rule/Regulation/SBD*/Policy /Rejection/ Acceptance as per PPRA Rule 35 of PP Rules, 2004.
	Technical (if applicable)	Financial (if applicable)		
M/s SMC	-	-	8,055,195,405 *	1 <sup>st</sup> lowest
M/s SKB-ZCC-MASSCON (JV)	-	-	8,090,463,055	2 <sup>nd</sup> lowest
M/s SMADB-Shahrukh-MBC (JV)	-	-	8,375,000,000 (After decision of GRC)	3 <sup>rd</sup> lowest
M/s JHCEC-ZEPL-NKB (JV)	-	-	8,394,845,248	4 <sup>th</sup> lowest
M/s NLC-Umerjan (JV)	-	-	8,517,913,711	5 <sup>th</sup> lowest
M/s ACEG-Matracon (JV)	-	-	8,547,786,786	6 <sup>th</sup> lowest
M/s ZKB	-	-	8,631,331,210	7 <sup>th</sup> lowest
M/s FWO	-	-	8,665,821,091	8 <sup>th</sup> lowest
M/s KAC-RMS (JV)	-	-	9,352,534,026	9 <sup>th</sup> lowest
M/s MASH JV	-	-	9,462,580,840	10 <sup>th</sup> lowest
M/s Maqbool-Calsons (JV)	-	-	9,767,035,450	11 <sup>th</sup> lowest
M/s NPI – HASAS – AM JV	-	-	Dis-Qualified, Price Bid not opened	
M/s KNK (Pvt.) Ltd	-	-	Dis-Qualified, Price Bid not opened	

Most Advantageous Bidder: **M/s SMC**

11. The additional/ supporting information is as under:

\* Price bid opened in compliance of GRC decision.

This is the revised Final Evaluation report. Previous report was published on PPRA/ NHA web site on 31-12-2020.

Signature:.....



7  
A  
MCA

\*Standard Bidding Documents (SBD)



# NATIONAL HIGHWAY AUTHORITY

Procurement & Contract Administration Section

28-Mauve Area, G-9/1, Islamabad Tel: 9032727, Fax: 9260419

No. 2(517)/GM (P&CA)/NHA/2023/388

16 June 2023

M/s SMC

Banglow No E/451, Jagan House,  
Jail Road, Post office Zhob,  
Sheikhan, District Zhob,  
Balochistan

*Recd. 16-6-23*

Authorized Representative (Mr. Fahad Ali)

Subject: **LETTER OF ACCEPTANCE:**  
**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50**  
**(PACKAGE-III): KM 130+000 TO KM 180+000 (OLA SAIFULLAH**  
**TO NASI)**

Reference: (i) Your Original Bid submitted on 4<sup>th</sup> September 2020.

In accordance with Clause IB.31 of the Instructions to Bidders, undersigned is pleased to inform the acceptance of your bid by the Competent Authority at the amount **Rs.8,055,195,405/-** (Rupees Eight Billions Fifty Five Millions One hundred Ninety Five Thousands Four hundred and Five only).

2. The aforementioned amount is the "Accepted Contract Amount" payable in consideration of the execution, completion, maintenance and Defects Liability of the works as prescribed in the Contract Documents to be executed between the parties.

3. It is advised to proceed according to the Clause IB.32 and IB.33 of Instruction to Bidders with due consideration to the conditions stipulated in the Bidding Document.

**Copy for Information:**

- Member (Planning), NHA HQ
- Member (Engg-Coord), NHA HQ
- Member (Finance), NHA HQ
- G.M (B&A), NHA HQ
- G.M (Concerned), NHA
- Director (Tech) to Chairman, NHA HQ

*Sami-ur-Rahman*  
7 (SAMI-UR-RAHMAN)  
General Manager (P&CA)





### CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the "Agreement") made on the 25<sup>th</sup> day of July 2023 between **National Highway Authority**, 28 Mauve Area G-9/1, Islamabad. (Hereinafter called the "Employer" which expression shall include the successors, legal representatives, and permitted assignees) of the one part and **"M/s Sultan Mahmood & Company (SMC)"**, "Banglow No E/451, Janan House, Jail Road, Post office Zhob, Sheikhan, District Zhob, Balochistan" (hereinafter called the "Contractor" which expression shall include the successors, legal representatives, and permitted assignees) of the other part.

WHEREAS, the Employer is desirous that certain Works, viz **"DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50 (PACKAGE-III): KM 130+000 TO KM 180+000 (QILA SAIFULLAH TO NASI)"** should be executed by the contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnessed as follows:

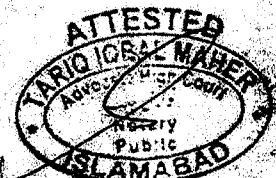
1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents after incorporating addenda, if any, except those parts relating to Instructions to Bidders shall be deemed to form and be read and construed as part of this Agreement, viz:

- (i) The Contract Agreement;
- (ii) The Letter of Acceptance No. 2(517)/GM (P&CA)/NHA/2023/388 dated 16<sup>th</sup> June 2023
- (iii) The completed Form of Bid (Letter of Technical Bid and Letter of Price Bid);
- (iv) Addendum and Corrigendum, pertaining to the Contract Documents;
- (v) Special Stipulations (Appendix-A to Bid);
- (vi) Special Provisions (Contractual);
- (vii) The Particular Conditions of Contract - Part II;
- (viii) The General Conditions - Part I;
- (ix) The priced Bill of Quantities (Appendix-D to Bid);
- (x) The completed Appendices to Bid (C, E to P);
- (xi) Special Provisions (Specifications);
- (xii) NHA General Specifications and its Addenda (if any);
- (xiii) The Drawings; and
- (xiv) Any other document.

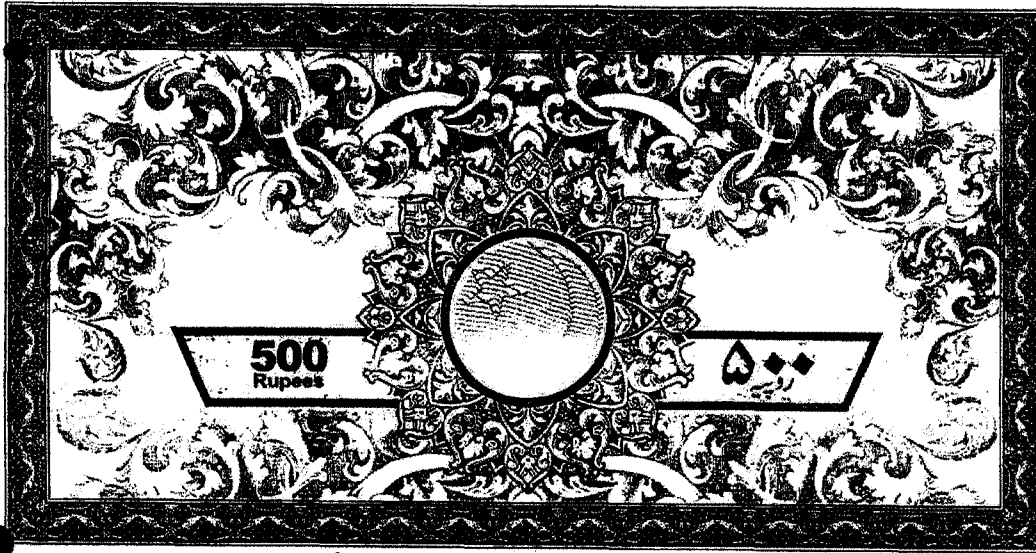


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**(ASIM AMIN)**  
Member (Planning)  
National Highway Authority  
Islamabad



11 JUL 2023




- 3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy defects therein in conformity and in all respects with the provisions of the Contract.
- 4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

For and on behalf of

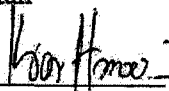
**National Highway Authority  
(Employer)**

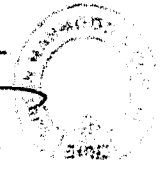
  
 \_\_\_\_\_  
**(ASIM AMIN)**  
 Member (Planning)  
 National Highway Authority  
 Islamabad

For and on behalf of


**M/s Sultan Mahmood & Company (SMC)**

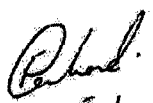
"Banglow No E/451, Janan House, Jail Road, Post office Zhob, Sheikhan, District Zhob, Balochistan"  
 (Contractor)

  
 \_\_\_\_\_  
 Ibrar Hussain  
 9030001166469



Signed, Sealed and Delivered in the presence of:

**Witness:**  
  
 \_\_\_\_\_  
 (M/PA/CA)

**Witness:**  
  
 \_\_\_\_\_  
 Fatima Ali  
 6161-3869258-7  
 17 JUL 2022






Appendix-D to Bid

**BILL OF QUANTITIES**

**B. Work Items**

1. The Bill of Quantities contains the Bills attached.
2. Bidders shall price the Bill of Quantities in Pakistani Rupees only.

*Khan*  


Dualization of Kuchlak – Zhob Section of N-50;  
Package-3: QilaSaifullah to Nasai (50 KM)

52



**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50**  
**PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**  
**SUMMARY OF BILLS**

Bill No.	Description	Amount (Rs.)
1	Earthwork and Allied Activities	1,876,717,320
2	Sub Base and Base	2,018,387,500
3	Surface Courses and Pavement	760,627,035
4.1	Structures (Bridges)	944,057,620
4.2	Structures (Underpass)	133,535,200
4.3	Structures (Box Culverts)	1,289,882,900
4.4	Structures (Pipe Culverts)	13,282,500
4.5	Structures (Retaining Walls)	114,920,000
4.6	Structures (Soil Investigation for Bridges)	11,610,000
5	Drainage & Erosion Works	218,100,000
6	Ancillary works	542,959,330
7	General Items	54,220,000
8	Electrical Works	76,896,000
<b>TOTAL</b>		<b>8,055,195,405</b>

**Eight Billion Fifty Five Million One Hundred Ninety Five Thousand Four Hundred Five Rupees Only**



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25/04/22

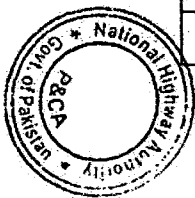


**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 1: EARTH WORK AND ALLIED WORKS</b>						
101	Clearing and Grubbing	SM	2,170,160	1.00	One Rupees Only	2,170,160
102a	Removal of trees , 150 -300mm girth	Each	300	400.00	Four Hundred Rupees Only	120,000
102b	Removal of trees , 301-600mm girth	Each	300	1,000.00	One Thousand Rupees Only	300,000
102c	Removal of trees 601 mm or over girth	Each	600	4,000.00	Four Thousand Rupees Only	2,400,000
104	Compaction of Natural Ground	SM	2,170,160	1.00	One Rupees Only	2,170,160
106a	Excavate Unsuitable Common material	CM	121,950	375.00	Three Hundred Seventy Five Rupees Only	45,731,250
108ai	Formation of embankment from Unclassified Roadway excavation including Rock material	CM	1,201,450	485.00	Four Hundred Eighty Five Rupees Only	582,703,250
108b	Formation of embankment from borrow excavation in common material	CM	3,904,343	300.00	Three Hundred Rupees Only	1,171,302,900
108di	Formation of embankment from Unclassified Structural excavation	CM	134,570	450.00	Four Hundred Fifty Rupees Only	60,556,500
109a	subgrade preparation in earth cut	SM	465,910	10.00	Ten Rupees Only	4,659,100
SP-117b	Formation of Earthen Dowels	CM	23,020	200.00	Two Hundred Rupees Only	4,604,000
<b>Total Bill No.1 EARTH WORK AND ALLIED ACTIVITIES</b>						<b>1,876,717,320</b>

76



**SULTAN MAHMOOD & COMPANY**

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**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 2: SUBBASE AND BASE</b>						
201	Sub-base (B) (Using Crushed Aggregate)	CM	285,201	1,000.00	One Thousand Rupees Only	285,201,000
202	Aggregate Base Class (A) (Mixing with Pugmill & Laying with Paver)	CM	193,870	1,750.00	One Thousand Seven Hundred Fifty Rupees Only	339,272,500
203b	Asphaltic Concrete base course Plant Mix (Class B)	CM	98,941	14,000.00	Fourteen Thousand Rupees Only	1,385,174,000
209a	Breaking of existing road pavement structure	CM	14,150	600.00	Six Hundred Rupees Only	8,490,000
209b	Scarification of existing road pavement	SM	5,000	50.00	Fifty Rupees Only	250,000
<b>Total BILL NO. 2: SUB BASE AND BASE</b>						<b>2,018,387,500</b>



**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 3: SURFACE COURSE &amp; PAVEMENT</b>						
302a	Cut back Asphalt for Bituminous Prime Coat	SM	796,940	75.00	Seventy Five Rupees Only	59,770,500
303a	Cut back Asphalt for Bituminous Tack Coat	SM	1,467,861	35.00	Thirty Five Rupees Only	51,375,135
304c	Triple Surface Treatment	SM	321,450	300.00	Three Hundred Rupees Only	96,435,000
305a	Asphaltic concrete for Wearing Course (Class A)	CM	37,368	14,800.00	Fourteen Thousand Eight Hundred Rupees Only	553,046,400
<b>Total Bill No.3 SURFACE COURSE &amp; PAVEMENT</b>						<b>760,627,035</b>



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**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 4.1: STRUCTURE BRIDGES</b>						
107a	Unclassified Structural Excavation	CM	2,000	300	Three Hundred Rupees Only	600,000
107d	Granular back fill	CM	14,867	700	Seven Hundred Rupees Only	10,406,900
401a1ii	Concrete Class 'A-1' (On Ground) Approach Slab, Barrier.	CM	1,005	13,000	Thirteen Thousand Rupees Only	13,065,000
401b	Concrete Class B	CM	630	8,000	Eight Thousand Rupees Only	5,040,000
401a3iii	Concrete Class 'A-3' (Elevated) Transom, Deck Slab, Diaphragm, Curtain wall and Wing Wall.	CM	7,878	11,500	Eleven Thousand Five Hundred Rupees Only	90,597,000
401a3iii	Concrete Class 'A-3' (Elevated) Piers	CM	1,188	11,500	Eleven Thousand Five Hundred Rupees Only	13,662,000
401a3i	Concrete Class 'A-3' (Under Ground) Piles	CM	7,126	10,000	Ten Thousand Rupees Only	71,260,000
401d	Concrete Class D1 Girders	CM	3,807	15,000	Fifteen Thousand Rupees Only	57,105,000
401f	Lean Concrete	CM	105	6,000	Six Thousand Rupees Only	630,000
404b	Reinforcement as per AASHTO M31 Grade-60	Ton	3,675	145,000	One Hundred Forty Five Thousand Rupees Only	532,875,000
404 h	Reinforcement (Structural Shapes) as per ASTM A-36	Ton	14	145,000	One Hundred Forty Five Thousand Rupees Only	2,030,000
405a	Prestressing Wire Strand 3/8"- 1/2"Dia Complete in all Respect	Ton	191	300,000	Three Hundred Thousand Rupees Only	57,300,000

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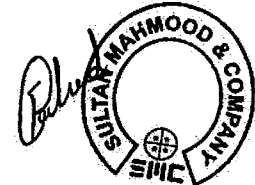
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**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
405b	Launching of Girder	Ton	9,153	600	Six Hundred Rupees Only	5,491,800
406ei	Elastomeric Bearing Pads (according to Size and Thickness) USA/EU make	c.cm	2,096,640	3	Three Rupees Only	6,289,920
407 d3	Cast in place piles, 1.1 to 1.5m dia in Normal Soil (boring only)	M	900	7,000	Seven Thousand Rupees Only	6,300,000
407 d4	Cast in place piles, 1.1 to 1.5m dia in Gravel Strata (boring only)	M	2,100	10,000	Ten Thousand Rupees Only	21,000,000
407 l	Pile Load Test (2.5 time the Design load) 800 Ton	Each	7	500,000	Five Hundred Thousand Rupees Only	3,500,000
407 l	Proof Load Test (1.5 time the Design load) 500 Ton	Each	7	300,000	Three Hundred Thousand Rupees Only	2,100,000
407 n	Permanent Pile Casing for Pile	Ton	30	200,000	Two Hundred Thousand Rupees Only	6,000,000
507a	steel wire mesh for Gabion	Kg	31,500	250	Two Hundred Fifty Rupees Only	7,875,000
507b	Rockfill in Gabion	CM	3,150	2,000	Two Thousand Rupees Only	6,300,000
509d	Grouted Rip Rap, Class A	CM	1,000	3,500	Three Thousand Five Hundred Rupees Only	3,500,000
509 e	Grouted Rip Rap, Class B	CM	2,250	3,500	Three Thousand Five Hundred Rupees Only	7,875,000
SP-417a	Sonic Integrity Test (SIT) on all Piles.	Each	200	8,000	Eight Thousand Rupees Only	1,600,000
SP-417	Manufactured Trade Marks expansion to roadway (25-30)mm movement	LM	271	40,000	Forty Thousand Rupees Only	10,840,000
SP-418	GI Drain Pipe Dia 100mm dia.	M	163	5,000	Five Thousand Rupees Only	815,000
<b>Total Bill No. 4.1: STRUCTURE BRIDGES</b>						<b>944,057,620</b>



**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 4.2: STRUCTURE UNDERPASSES</b>						
107a	Unclassified Structural Excavation	CM	1,060	270	Two Hundred Seventy Rupees Only	286,200
107d	Granular back fill	CM	430	700	Seven Hundred Rupees Only	301,000
401a1ii	Concrete Class 'A-1' (On Ground)	CM	295	13,000	Thirteen Thousand Rupees Only	3,835,000
401a3i	Concrete Class 'A-3' (Under Ground)	CM	800	11,500	Eleven Thousand Five Hundred Rupees Only	9,200,000
401a3iii	Concrete Class 'A-3' (Elevated)	CM	2,000	14,000	Fourteen Thousand Rupees Only	28,000,000
401f	Lean Concrete	CM	170	6,000	Six Thousand Rupees Only	1,020,000
404b	Reinforcement as per AASHTO M31 Grade 60	Ton	620	145,000	One Hundred Forty Five Thousand Rupees Only	89,900,000
406 a	Premoulded joint filler 12 mm thick with Bitumastic joint seal.	SM	20	3,000	Three Thousand Rupees Only	60,000
406dii	PVC Waterstop 6" Size	M	510	800	Eight Hundred Rupees Only	408,000
509d	Grouted Rip Rap, Class A	CM	150	3,500	Three Thousand Five Hundred Rupees Only	525,000
<b>Total Bill No. 4.2: STRUCTURE UNDERPASSES</b>						<b>133,531</b>

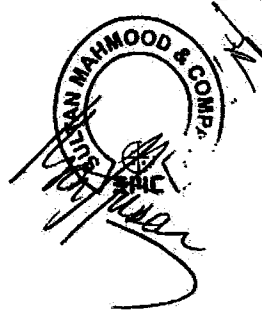




**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

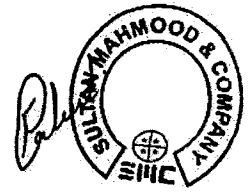
**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 4.3: STRUCTURE BOX CULVERTS</b>						
107a	Unclassified Structural Excavation	CM	114,570	270	Two Hundred Seventy Rupees Only	30,933,900
107d	Granular back fill	CM	20,725	1,000	One Thousand Rupees Only	20,725,000
107e	Common Backfill	CM	5,000	500	Five Hundred Rupees Only	2,500,000
401a3i	Concrete Class 'A-3' (Under Ground)	CM	670	11,500	Eleven Thousand Five Hundred Rupees Only	7,705,000
401a3ii	Concrete Class 'A-3' (On Ground)	CM	22,080	11,500	Eleven Thousand Five Hundred Rupees Only	253,920,000
401a3iii	Concrete Class 'A-3' (Elevated)	CM	16,540	11,500	Eleven Thousand Five Hundred Rupees Only	190,210,000
401f	Lean Concrete	CM	6,200	6,000	Six Thousand Rupees Only	37,200,000
404b	Reinforcement as per AASHTO M31 . Grade 60	Ton	5,185	140,000	One Hundred Forty Thousand Rupees Only	725,900,000
406 a	Premoulded joint filler 25 mm thick with Bitumastic joint seal.	SM	513	3,000	Three Thousand Rupees Only	1,539,000
406dii	PVC Waterstop 9" Size	LM	3,125	800	Eight Hundred Rupees Only	2,500,000
507a	steel wire mesh for Gabion	Kg	20,000	250	Two Hundred Fifty Rupees Only	5,000,000
507b	Rockfill in Gabion	CM	2,000	1,500	One Thousand Five Hundred Rupees Only	3,000,000
509d	Grouted Rip Rap, Class A	CM	2,500	3,500	Three Thousand Five Hundred Rupees Only	8,750,000
<b>Total For Bill No.4.3: STRUCTURE BOX CULVERTS</b>						<b>1,289,882,900</b>



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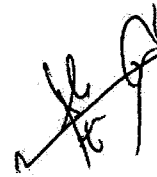
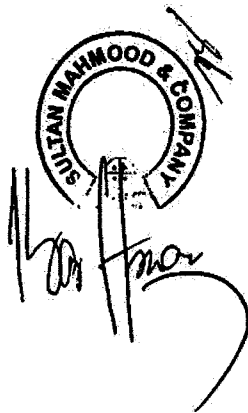


**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 4.4: STRUCTURE PIPE CULVERTS</b>						
107a	Unclassified Structural Excavation	CM	250	270	Two Hundred Seventy Rupees Only	67,500
107d	Granular back fill	CM	235	1,000	One Thousand Rupees Only	235,000
401a1ii	Concrete Class 'A1' (On Ground)	CM	120	11,500	Eleven Thousand Five Hundred Rupees Only	1,380,000
401f	Lean Concrete	CM	10	7,000	Seven Thousand Rupees Only	70,000
404b	Reinforcement as per AASHTO M31 . Grade 60	Ton	12	145,000	One Hundred Forty Five Thousand Rupees Only	1,740,000
501 d	RCC Pipe Culvert AASHTO M 170 Class II Dia 610 mm	M	370	8,000	Eight Thousand Rupees Only	2,960,000
501 g	RCC Pipe Culvert AASHTO M 170 Class II Dia 1070 mm	M	315	10,000	Ten Thousand Rupees Only	3,150,000
502b	Concrete Class B in bedding and Encasement of Concrete Pipe Culvert.	CM	460	8,000	Eight Thousand Rupees Only	3,680,000
<b>Total For Bill No.4.4: STRUCTURE PIPE CULVERTS</b>						<b>13,282,500</b>

83



**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 4.5: STRUCTURE RETAINING WALLS</b>						
107a	Unclassified Structural Excavation	CM	18,000	270	Two Hundred Seventy Rupees Only	4,860,000
107e	common backfill	CM	4,500	500	Five Hundred Rupees Only	2,250,000
401 b	Concrete Class 'B	CM	290	9,000	Nine Thousand Rupees Only	2,610,000
401f	Lean Concrete	CM	2,500	6,000	Six Thousand Rupees Only	15,000,000
411b	Stone Masonry random with mortar	CM	9,200	2,500	Two Thousand Five Hundred Rupees Only	23,000,000
401h	Plum (CYCLOPEAN-RUBBLE) Concrete (2:1 Conc. Stone Ratio) Breast Walls	CM	8,400	8,000	Eight Thousand Rupees Only	67,200,000
<b>Total For Bill No.4.5: STRUCTURE RETAINING WALLS</b>						<b>114,920,000</b>

82



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**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 4.6: STRUCTURES (SOIL INVESTIGATION FOR BRIDGES)</b>						
SP-414(a)	6" minimum dia drilling straight rotary / Percussion including back filling of holes from NSL upto 45m depth or till the rock level, which ever is met earlier.	LM	1,152	3,000	Three Thousand Rupees Only	3,456,000
SP-414(b)	Perform SPT at 1 m interval i/c collection, preservation & Trasportation of disturbed samples to an approved Laboratory.	No.	864	3,000	Three Thousand Rupees Only	2,592,000
SP-414(b-1)	Continuous core drilling in bedrock up to a maximum of 5m depth below rock strike level, including etermination of core recovery/RQD, preservation of core samples in core boxes, waxing of core samples, photography of rock cores and transportation of core samples to the laboratory. In case core recovery is less than 80% reduce run leight to 0.5 m.	LM	144	10,000	Ten Thousand Rupees Only	1,440,000
SP-414(c)	Collection of undisturbed soil samples from boreholes using Shelby/Denison/Pitcher samplers, including preservation & transportation of samples to an approved laboratory.	No.	115	4,000	Four Thousand Rupees Only	460,000
SP-414(d)	Performance of FDT in test pits through sand replacement method i/c moisture content determination.	No.	58	4,000	Four Thousand Rupees Only	232,000
SP-414(e)	Excavation of testpits upto 1.5m depth along road alignment including backfilling of pits to original condition.	M	43	10,000	Ten Thousand Rupees Only	430,000
SP-414(f)	Collection of undisturbed block samples from test pits at appropriate location as directed by the Engineer.	No.	29	4,000	Four Thousand Rupees Only	116,000
SP-414(f1)	Collection of composite bulk samples (at least 60kg for sandy / clayey soils and 120 kg for gravelly soils)	No.	29	4,000	Four Thousand Rupees Only	116,000
SP-414(g)	Collection & preservation of water samples from bore holes & transportation to an approved Laboratory.	No.	29	2,000	Two Thousand Rupees Only	58,000



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**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
SP-414(h)	<b>Laboratory Testing</b>					
i	Grain size analysis.	No.	288	1,800	One Thousand Eight Hundred Rupees	518,400
ii	Hydrometer analysis.	No.	115	1,800	One Thousand Eight Hundred Rupees	207,000
iii	Atterberg limits	No.	115	1,800	One Thousand Eight Hundred Rupees	207,000
iv	Specific gravity	No.	43	1,200	One Thousand Two Hundred Rupees Only	51,600
v	Natural moisture content	No.	130	1,000	One Thousand Rupees Only	130,000
vi	Bulk density & Dry density (Soil/rock cores)	No.	130	1,000	One Thousand Rupees Only	130,000
vii	Direct shear test	No.	58	2,000	Two Thousand Rupees Only	116,000
viii	Consolidation test (collapse/swell potential)	No.	29	4,000	Four Thousand Rupees Only	116,000
ix	Unconfined compression test (Soil/rock cores)	No.	101	2,000	Two Thousand Rupees Only	202,000
x	Chemical analysis of soil	No.	14	3,000	Three Thousand Rupees Only	42,000
xi	Chemical analysis of water	No.	29	3,000	Three Thousand Rupees Only	87,000
xii	Submission of Investigation Report (triplicate)	No.	14	50,000	Fifty Thousand Rupees Only	700,000
xiii	CBR	No.	29	5,000	Five Thousand Rupees Only	145,000
xiv	Modified Proctor Test	No.	29	2,000	Two Thousand Rupees Only	58,000
<b>Total Bill No. 4.6: STRUCTURES (SOIL INVESTIGATION FOR BRIDGES)</b>						<b>11,610,000.00</b>
Note:	1. Preferred method of drilling is straight rotary method. Percussion method will be allowed only if gravelly strata is encountered. 2. All soil / rock samples must be labeled, stored and transported as per ASTM. The area ratio and clearance ratio of the thin walled should be in strict compliance with relevant ASTM standard.					



**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 5: DRAINAGE AND EROSION WORKS</b>						
401a-1-ii	Concrete Class A1 (On Ground)	CM	2,020	11,000	Eleven Thousand Rupees Only	22,220,000
401 b	Concrete Class 'B	CM	9,160	8,500	Eight Thousand Five Hundred Rupees Only	77,860,000
404b	Reinforcement as per AASHTO M31 . Grade 60	Ton	90	145,000	One Hundred Forty Five Thousand Rupees Only	13,050,000
509a	Rip Rap Class "A"	CM	18,220	2,000	Two Thousand Rupees Only	36,440,000
509d	Grouted Rip Rap, Class A	CM	1,030	5,500	Five Thousand Five Hundred Rupees Only	5,665,000
510	Dismantling of Structure and Obstructions	CM	2,000	100	One Hundred Rupees Only	200,000
511a1	Dry Stone Pitching (15-20cm thick)	SM	35,300	500	Five Hundred Rupees Only	17,650,000
511b1	Grouted Stone Pitching (15-20cm thick) with Bitumen Joints.	SM	63,100	650	Six Hundred Fifty Rupees Only	41,015,000
SP 501	Supplying & Installation of uPVC Pipe 100mm dia.	LM	2,000	1,000	One Thousand Rupees Only	2,000,000
SP 501 a	Supplying & Installation of uPVC Pipe 200mm dia.	LM	1,000	2,000	Two Thousand Rupees Only	2,000,000
<b>Total Bill No.5 DRAINAGE AND EROSION WORKS</b>						<b>218,100,000</b>



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**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 6: ANCILLARY WORKS</b>						
601ai	RCC New Jersey Barrier (in-Situ) for Median double Face (Incl. Reinforcement)	M	1,100	10,000	Ten Thousand Rupees Only	11,000,000
601ail	RCC New Jersey Barrier (in-Situ) for Median Single Face (Incl. Reinforcement)	M	14,586	9,500	Nine Thousand Five Hundred Rupees Only	138,567,000
601dii	Precast Curb in Concrete Class A-1 of Size 350 x 150 mm Incl. Bedding & Haunching.	M	174,289	700	Seven Hundred Rupees Only	122,002,300
604a	Metal Guardrail	M	15,700	5,500	Five Thousand Five Hundred Rupees Only	86,350,000
604b	Guard rail End Pieces	Each	388	6,000	Six Thousand Rupees Only	2,328,000
604d	Steel post of metal Guardrail	Each	9,685	4,000	Four Thousand Rupees Only	38,740,000
607a	Traffic Road Signs Category 1,	Each	100	15,000	Fifteen Thousand Rupees Only	1,500,000
607b	Traffic Road Signs Category 2,	Each	100	18,000	Eighteen Thousand Rupees Only	1,800,000
607e	Traffic Road Signs Category 3c	SM	150	25,000	Twenty Five Thousand Rupees Only	3,750,000
608i2	Pavement Marking in Reflective TP Paint for 20 cm width	M	218,302	165	One Hundred Sixty Five Rupees Only	36,019,830
608j2	Pavement Marking in Reflective TP Paint for 4.0 M Arrows	Each	110	2,000	Two Thousand Rupees Only	220,000
609ci	Reflectorized Plastic pavement stud (Raised Profile Type - Single Face)	Each	19,640	230	Two Hundred Thirty Rupees Only	4,517,200
610c	Kilometer post (NHA Standard Drawing P-152)	Each	55	4,000	Four Thousand Rupees Only	220,000
611a	Galvanized Wire Mesh Fence 1500mm high Incl. Prestressed & RCC Posts Complete in all respect as per M-2 Standard.	M	41,998	1,500	One Thousand Five Hundred Rupees Only	62,997,000
SP-504	Delineators / Angle Reflector	Each	1,896	500	Five Hundred Rupees Only	948,000
SP-601a	Gantry Sign Type-I as shown on drawing.	Each	8	2,000,000	Two Million Rupees Only	16,000,000
SP-601b	Gantry Sign Type-II as shown on drawing.	Each	8	2,000,000	Two Million Rupees Only	16,000,000
<b>Total Bill No.6 ANCILLARY WORKS</b>						<b>542,959,330</b>



**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
<b>BILL NO. 7: GENERAL ITEMS</b>						
SP-702a	Provide the Employer's and Engineer's Representative's office & Residence (on Rental Basis)	Month	36	70,000	Seventy Thousand Rupees Only	2,520,000
SP-702b	Furnish and Equip, Employer's & Engineer's Representative office & Residence	PS	-	-	-	3,000,000
SP-702c	Maintain Employer's and Engineer's Representative office and Residence.	Month	38	70,000	Seventy Thousand Rupees Only	2,660,000
SP-703a	Provide Material Testing Project Laboratory (1 Nos. Main & 1 No. site on Rental Basis.)	Month	36	50,000	Fifty Thousand Rupees Only	1,800,000
SP-703b	Equip & furnish Material Testing Project Laboratory	PS	-	-	-	5,000,000
SP-703c	Maintain Material Testing Project Laboratory 2 Nos) including 2 No. Helpers.	Month	36	80,000	Eighty Thousand Rupees Only	2,880,000
SP-708 b	Provide Engineer's Representative Transport.				No Rupees Only	-
	(i) Toyota Double Cabin with A/C	Each	1	8,000,000	Eight Million Rupees Only	8,000,000
	(ii) Toyota Single Cabin with A/C	Each	1	4,000,000	Four Million Rupees Only	4,000,000
	(iii) Suzuki Bolan with A/c	Each	4	1,500,000	One Million Five Hundred Thousand Rupees Only	6,000,000
SP-708 c	Running & Maintenance of Employer's & Engineer's Representative's Transport.	Vehicle Month	216	75,000	Seventy Five Thousand Rupees Only	16,200,000
SP-715	Employing Trainee Engineer's with Boarding, Lodging and messing.	Man Month	72	30,000	Thirty Thousand Rupees Only	2,160,000
<b>Total Bill No.7: GENERAL ITEMS</b>						<b>54,220,000</b>
Note:	Vehicle will be purchased with prior approval of the Employer/Chairman NHA.					



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**DUALIZATION OF KUCHLAK - ZHOB SECTION OF N-50  
PACKAGE - 3: Qillasaifullah to Nasai (km 130+00 TO km 180+00)**

**BILL OF QUANTITIES**

**BILL NO. 8: ELECTRIC WORKS (Based on LED Road Lighting Fixtures)**

ITEM No.	DESCRIPTION	UNIT	Qty	Rate (Rs.)		Amount (Rs.)
				In Figures	In Words	
	Supply, installation, testing and commissioning of the following items of work, including all material, labour, tools and accessories etc. required for proper completion of each item as per specification, drawings and / or as directed by the Engineer.					
801 (a)	12 m single arm conical octagonal galvanized steel pole with extension arm luminaire arrangement, base plate, J-rag bolts, pole numbering and earthing etc. as shown on drawing.	Each	226	80,000	Eighty Thousand Rupees Only	18,080,000
801 (b)	12 m high double arm conical octagonal galvanized steel pole with extension arm luminaire arrangement, base plate, J-rag bolts, pole numbering and earthing etc. as shown on drawing.	Each	70	90,000	Ninety Thousand Rupees Only	6,300,000
801 (c)	Road Lighting Pole Foundation	Each	300	10,000	Ten Thousand Rupees Only	3,000,000
	<b>Road Lights &amp; Accessories for Flood Light Installation</b>					
802 (a)	Road Lighting LED Luminaries 120 W make Philips, GE or equivalent suitable for M-2 & M-3 roads of wattage suitable for the project requirements, fully IP 66 with corrosion resistant die cast aluminum housing, silicon, gas kit, thermally hardened glass complete with LED drivers, surge protection and all accessories/ components required for the proper operation of the system. The luminaries shall be fully flexible for future upgrades and easy replacements for maintenance purposes. Contractor to submit lighting design calculation to determine the adequacy of the wattage and should adjust the number of LEDs /Wattage as per Project lighting requirements.	No.	366	50,000	Fifty Thousand Rupees Only	18,300,000
	<b>Conduits / Pipes</b>					
803 (a)	PVC pipe / conduit 100 mm dia Class-D with accessories suitable for laying multi-core cables on road crossings and flyover.	Rm	1,000	1,500	One Thousand Five Hundred Rupees Only	1,500,000
803 (b)	PVC pipe / conduit Class-B 100 mm dia with accessories suitable for laying multi-core cables in new Jersey barriers.	Rm	11,000	1,000	One Thousand Rupees Only	11,000,000



Low Voltage Power Cables						
804 (a)	4 Core 16mm <sup>2</sup> Cu. PVC/PVC 600/1000V Unarmored Cable (Imported copper shall be used. Verified documentary evidence for source of copper & PVC shall be furnished prior to manufacturing.	Rm	11,600	1,000	One Thousand Rupees Only	11,600,000
804 (b)	1 Core 16mm <sup>2</sup> Cu. PVC/PVC 450/750V Unarmored Cable (Imported copper shall be used. Verified documentary evidence for source of copper & PVC shall be furnished prior to manufacturing.	Rm	11,600	300	Three Hundred Rupees Only	3,480,000
804 (c)	4 Core 35mm <sup>2</sup> Cu. PVC/PVC Unarmored Cable (to LCP) (Imported copper shall be used. Verified documentary evidence for source of copper & PVC shall be furnished prior to manufacturing.	Rm	200	2,000	Two Thousand Rupees Only	400,000
804 (d)	Single core 3 Nos. 2.5 mm <sup>2</sup> PVC insulated and PVC overall sheathed 450/750 Volt grade copper cable (stranded conductor) (Imported copper shall be used. Verified documentary evidence for source of copper & PVC shall be furnished prior to manufacturing) from junction box to the fitting through the hollow of pole.	Rm	360	2,500	Two Thousand Five Hundred Rupees Only	900,000
805	Road Lighting control panel with angle iron frame clad 14 SWG, sheet steel enclosure having high quality powder coated paint, color RAL 7032. The LCP shall be complete with incoming and outgoing MCCBs, Cu bus bars, magnetic contactors, photo-electric switches, meter, indication lights, construction with IP 54 protection class, door, locking arrangement etc. and all other accessories as required for quality work.	No	4	200,000	Two Hundred Thousand Rupees Only	800,000
806(a)	25mm <sup>2</sup> PVC insulated copper earth wires including all fixing accessories as required for earthing of lighting control panels.	Rm	160	500	Five Hundred Rupees Only	80,000
806(b)	Earth point comprising of 10ft. 5/8" dia. (16mm dia) copper coated M.S. rods driven in ground near each lighting control panel. The earthing rods shall be complete with fixing clamps etc.	Each	8	7,000	Seven Thousand Rupees Only	56,000
As per WAPDA Specs.	Supply of 25 kVA, 11/0, 415 kV pole mounted transformer, and all accessories, installation and connection charges with energy meter as per WAPDA standards and practice	Job	4	350,000	Three Hundred Fifty Thousand Rupees Only	1,400,000
<b>Total of Bill no. 8: Electrical Works (Based on LED Road Lighting Fixtures)</b>						<b>76,896,000</b>



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